



Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT****Complete if Known**

Application No.	10/810,232
Filing Date	March 26, 2004
First Named Inventor	Ryan Rifkin
Art Unit	2626
Examiner Name	Richemond Dorvil
Attorney Docket Number	23085-07809

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of

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U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document No. Number – Kind Code ² (if known)	Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
	A1	US-5,271,088	12-14-1993	Bahler
	A2	US-5,414,755	05-09-1995	Bahler
	A3	US-6,539,351 B1	03-25-2003	Chen et al.

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ – Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T ⁶

OTHER REFERENCES – NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ⁶
/JR/	C1	ARYA et al., "An Optical Algorithm For Approximated Nearest Neighbor Searching In Fixed Dimensions," Journal of the ACM, Vol. 45, No. 6, November 1998, pp. 891-923.	
/JR/	C2	International Search Report and Written Opinion, PCT/US2004/09539; June 27, 2006.	
/JR/	C3	PELLOM et al., "An Efficient Scoring Algorithm For Gaussian Mixture Model Based Speaker Identification," IEEE signal processing letters, Vol. 5, 1998, pp. 281-284.	

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		Examiner Name	Not Yet Known		
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/JR/	C5	William M. Campbell, "Generalized linear discriminant sequence kernels for speaker recognition," in <i>Proceedings of the International Conference on Acoustics, Speech, and Signal Processing</i> , 2002.	
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/JR/	C7	Vladimir N. Vapnik, <i>Statistical Learning Theory</i> , John Wiley & Sons, 1998, pp. 308-315; 401-412; 421-425; 430-434; 484-496.	
/JR/	C8	Ryan M. Rifkin, <i>Everything Old Is New Again: A Fresh Look at Historical Approaches to Machine Learning</i> , Ph.D. thesis, Massachusetts Institute of Technology, 2002.	
/JR/	C9	Michael E. Tipping, "Sparse Bayesian learning and the relevance vector machine," <i>Journal of Machine Learning Research</i> , vol. 1, pp. 211-244, 2001	
/JR/	C10	Jerome H. Friedman, Jon Louis Bentley, and Raphael A. Finkel, "An algorithm for finding best matches in logarithmic expected time," <i>ACM Transactions on Mathematical Software</i> , vol. 3, no. 3, pp. 209-226, 1977.	
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/JR/	C12	K. L. Clarkson, "A randomized algorithm for closest-point queries," <i>Siam Journal on Computing</i> , vol. 17, no. 4, pp. 830-847, 1988.	
/JR/	C13	S. Meiser, "Point location in arrangements of hyperplanes," <i>Information and Computation</i> , vol. 106, no. 2, pp.286-303, 1993.	
/JR/	C14	R. L. Sproull, "Refinements to nearest-neighbor searching in k-dimensional trees," <i>Algorithmica</i> , vol. 6, pp. 579-589, 1991.	
/JR/	C15	P. Indyk and R. Motwani, "Approximate nearest neighbors: towards removing the curse of dimensionality," in <i>Proceedings of the 30th Annual ACM Symposium on the Theory of Computing</i> , 1998, pp. 604-613.	
/JR/	C16	Eyal Kushilevitz, Rafael Ostrovsky, and Yuval Rabani, "Efficient search for	

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/JR/	C17	Sunil Arya, David M. Mount, Nathan S. Netanyahu, Ruth Silverman, and Angela Y. Wu, "An optimal algorithm for approximate nearest neighbor searching in fixed dimensions," <i>Journal of the ACM</i> , vol. 45, pp. 891-923, 1998.	
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/JR/	C19	George R. Doddington, Mark A. Przybocki, Alvin F. Martin, and Douglas A. Reynolds, "The NIST speaker recognition evaluation – overview, methodology, systems, results, perspective," <i>Speech Communication</i> , vol. 31, no. 2-3, pp. 225-254, 2000.	
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